

CLAIMS

- 1 1. In a multicarrier transmission system including a transmitter and a receiver, the
2 transmitter and receiver using a first bit allocation table to transmit a plurality of codewords at a
3 first transmission bit rate, the plurality of codewords having a specified codeword size and
4 including a specified number of parity bits for forward error correction, and a specified
5 interleaving parameter for interleaving the plurality of codewords, a method for seamlessly
6 changing a transmission bit rate comprising:
7 transmitting a message to change the transmission bit rate from the first transmission bit rate to a
8 second transmission bit rate;
9 using a second bit allocation table at the receiver and at the transmitter for transmitting at the
10 second transmission bit rate;
11 synchronizing use of the second bit allocation table between the transmitter and receiver; and
12 transmitting codewords at the second transmission bit rate using the same specified interleaving
13 parameter, specified codeword size, and specified number of parity bits for forward error
14 correction that are used to transmit codewords at the first transmission bit rate to achieve
15 a seamless change in transmission bit rate.